



Mail.XML 14.0A Technical Specification

MID-CRID

September 26, 2014

**Prepared by
United States Postal Service**

Release Version Support

This document contains information pertaining to Mail.XML release version 14.0A and the following USPS *PostalOne!* Releases:

- Release 35 July 2013
- Release 36 October 2013
- Release 37 January 2014
- Release 38 August 2014

Technical Support from the USPS Help Desk and Tier 2 Support:

The USPS provides Mail.XML technical support for mailers/vendors and support is only specific to the business rules it pertains to implementation of business transactions, error codes/descriptions and exception handling with the Mail.XML implementations.

The USPS does not provide nor is it equipped to provide technical support for software development tools or IDEs (Integrated Development Environments) like Visual Studio, and software development related activities as they pertain to different technology specific programming environments for different companies, such as .Net, Java, Visual Basic, Power Builder, C, C++ etc.

The Mailer/Vendor is responsible for obtaining technical support and assistance directly from the IDE vendor such as Microsoft, IBM or Sun/Oracle for software development related help needs.

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DOCUMENT CHANGE HISTORY

These are the changes to MID-CRID-14.0A-R17 Edition 5 Change 0

Date	Section #	Title	Description
9/12/14	Various	N/A	Updated title page, footer, TOC
9/12/14	1.4, 1.6, 1.8, 7	Various	Updated hyperlinks

1. Postal Service Mail.XML

1.1 Overview

The document describes the Mail.XML messages that can be used to apply for Mailer IDs (MIDs) or Customer Registration IDs (CRIDs) electronically for mailers and mail owners.

1.2 Purpose

The purpose of this Technical MID/CRID document is to supplement the Postal service Mail.XML technical guide for Data Distribution and profiles, so that specific focus can be given to the MID and CRID application process.

1.2.1 Document Scope

This document is divided into following sections:

- Section 1.0 provides an overview of the Mail.XML and also states the purpose of this document.
- Section 2.0 provides an overview of the Profile Management functionalities for MID and CRID application
- Section 3.0 provides an overview of MID and CRID Mail.XML Messages.
- Section 4.0: This section provides technical information (Data Structure and Business Rules) for all messages supported in 14.0A specifications

1.3 Intended Audience

The intended audiences for this document are technical programmers and technical managers who have prior knowledge of XML language and Mail.dat. The majority of codes used in the Mail.XML base XSD come from the Postal Service Mail.dat specification, which describes the flags used by IDEAlliance.

1.4 Mail.XML

Mail.XML™ is an XML-based IDEAlliance® ([IDEAlliance Mail.XML](#)) specification for Web Services supporting the Services Oriented Architecture (SOA). It is conversational in nature and platform independent. Web Services uses simple HTTP(s) protocol to communicate data over the Internet, thereby bypassing technology-specific restrictions and avoiding network-related security rules. Sound implementations of Web Services provide safe, secure, platform-independent, support near real-time communication, and increase efficiency of conducting business in most business environments.

More importantly, the Mail.XML allows business function-specific communication and faster change management processes with no impact to other service providers/mailing environments within the mailing industry (you can add optional fields or new messages without requiring every software in the mailing supply chain to change), which has been a core improvement area for the Mail.dat® specification. Mail.XML is a complement to Mail.dat, customers using Mail.dat can continue to use it as a database, and can use Mail.XML for communication, automation of business to business processing, and getting answers in near real time from their business partners including the USPS.

The Mail.XML 14.0A functionality provides four major business functions: eDoc messages, data distribution messages, profile management messages, and FAST scheduling messages. The focus of this document is profile management messages.

The IDEAlliance Mail.XML version 14.0A specification is composed of families of related messages that provide all the capability that Mail.dat specification provided, as well as business function support that Mail.dat did not provide. Business functions supported include ability to request data on Customer Registration ID (CRID), and Mailer ID (MID). The specification also provides the mailing industry to conduct many business functions through near real-time communication mechanisms specifically to support joint scheduling and transportation management communications.

All business functions supported by the USPS as part of the Mail.XML implementation are based upon SOA. With this architecture, the mailer's software manages the data transactions for query, create, update, and cancel business functions, as well as subscription models. Additionally, mailer's software is able to receive synchronous and asynchronous transactions through Web Services protocol from the USPS in support of the just-in-time communication architecture.

1.5 Roadmap of Mail.XML

Table 1-1 shows version support of Mail.XML for Profiles Management through August 2014.

July 2013 Release 35.0	October 2013 Release 36.0	January 2014 Release 37.0	August 2014 Release 38.0
Mail.XML 12.0A Mail.XML 12.0B Mail.XML 14.0A**	Mail.XML 12.0A Mail.XML 12.0B Mail.XML 14.0A	Mail.XML 12.0A Mail.XML 12.0B Mail.XML 14.0A	Mail.XML 12.0A Mail.XML 12.0B Mail.XML 14.0A Mail.XML 16.0**

Table 1-1 Roadmap of Mail.XML supported versions per release

Note: The version(s) flagged with a single asterisk (*) are version(s) currently planned for decommission with the release date.

Note: The version(s) flagged with a double asterisk (**) are new version(s) which are planned for implementation with the release date.

Table 1-2 lists all Mail.XML Profiles Management messages for MIDs and CRIDs supported by Mail.XML 14.0A

Message	Supported in Mail.XML 14.0A
USPSCRIDCreateValidateRequest	X
USPSCRIDCreateValidateResponse	X
USPSMIDCreateValidateRequest	X
USPSMIDCreateValidateResponse	X

Table 1-2 Profiles Management Messages List for Mail.XML 14.0A Version

1.6 General XML and Web Services Information

XML

XML stands for eXtensible Markup Language. It is used to transport and store data. For general information on XML, visit [XML Tutorial](#)

XSD

An XSD is the XML Schema that describes the structure of an XML document. For general information on XSD visit [XML Schema Tutorial](#)

Web Service

A Web Service is a feature that converts your software into an internet-based software and publishes its functions/message to the users of the internet. For general information on Web Services visit:

[Web Services Tutorial](#)

[WSDL Tutorial](#)

[SOAP Tutorial](#)

1.7 Environments Supported by USPS

The USPS supports the two environments for electronic file submissions, the Testing Environment for Mailers (TEM) and the Production environment.

TEM: This environment is used for authorization for all mailers prior to moving into the production environment. Mailers work with the help desk to start the approval process for their software, and will be approved, where appropriate, in the TEM environment prior to sending Mail.XML data transactions in the production environment. The CRID and MID requests in the TEM environment utilize test data. Data entered for CRID and MID requests will impact the production data. Therefore it is requested that only a few CRID and a few MID requests be processed.

Production environment: This environment is used by all customers that have been approved in the TEM send transactions/messages.

1.8 PostalOne! WSDL Information

All Web Services transactions that are made with the USPS should comply with the WSDL specification that are posted on RIBBS® and can be downloaded from the following location: [Web Service Description Language \(WSDL\) Specification](#).

A Web Services request must include a valid and active USPS User ID and Password as defined in the UserAuthenticationInfo.xsd file that is provided as part of the WSDL downloadable files. A typical web service message construct is defined as follows:

```
<wsdl:message name="DeliveryApptContentUpdateRequest">
  <wsdl:part name="authInfo" element="auth:AuthenticationInfo"/>
  <wsdl:part name="apptContentUpdate" element="tns:apptContentUpdate"/>
</wsdl:message>
```

With the following:

XSD-typed WSDL:

```
<wsdl:message name="FullServiceStartTheClockQueryRequest">
  <wsdl:part element="uspsmxl:FullServiceStartTheClockQueryRequest"
    name="FullServiceStartTheClockQueryRequest"/>
</wsdl:message>
```

USPS will validate and authenticate the user information before processing the request. An error message will be returned in response to the web service request for invalid user information.

Message Types WSDL

The USPS only supports the Message-Type WSDL. The following paragraphs describe the Message-Type WSDLs.

The Message-Type eliminates the need to manually register each service and Message-Type. With this method, customers can use an automated tool that can set up their environment without manually registering each service. However, this approach requires updates to WSDLs every time a new Mail.XML version is released. In other words, it is tightly coupled with the Mail.XML Specification Version. The USPS has transitioned to this type of Message WSDLs to remove manual editing and registering of messages.

The customer must use a message-type URL to engage the services. These URLs are provided in the WSDLs and XSDs section of this document.

1.9 Profiles Management Features

- Implementation of the USPS.com Style Sheet
- The ability to apply a Data Distribution Profile to multiple MIDs
- The ability to delegate editing or adding of a Full Service Address Change Service (ACS) billing profile to another Customer Registration Identification (CRID)
- The ability to set the default available MID count to 2 instead of 1
- A Mailer ID Tool (external facing pages) assumes the style sheet of the USPS.com look and feel from the Phoenix project.
- The ability for external users to manage their Data Distribution profiles in bulk.
- Once users submit a new or updated Data Distribution profile for a given CRID, the MID system prompts them to ask if they would like to apply the same Data Distribution profile information to other MIDs in his profile.
- If a user chooses to apply the Data Distribution profile information to other MIDs to be the recipient of the new or edited Data Distribution profile, the MID system allows the user to select one or any combination of MIDs associated with the user's CRID.
- Enables the user to apply Data Distribution profile information (one or any combination) of MIDs associated with the user's CRID. The MID system also allows the user to select all MIDs.
- Allows the user to delegate a CRID to have the ability to edit or add a Full Service ACS billing profile. In that scheme, all MIDs linked to the CRID have the same Full Service ACS billing profile.

The section for MID selection in the MID system contains the following fields:

- MID
- Customer Reference

MID Assignment

External users are allowed to request two MIDs without the system performing volume checks. Users are also able to request additional MIDs above the volume allotment.

Mailing Agents (or other third party, Mail Services Providers (MSPs)) are allowed to request MIDs on behalf of their clients or mail owners.

Furthermore, the MID system allows a user to request up to two MIDs before it verifies mailing volumes.

2. MID and CRID Application Process

This section covers the process for the creation of CRIDs and MIDs.

Note 1: *In order to use the USPS Web Services in the production environment all users must first complete the testing in the USPS TEM environment.*

Note 2: *It is recommended that no more than 20 CRIDEntry elements be specified in the USPSCRIDCreateValidateRequest message, and no more than 2 MIDEntry elements be specified in the USPSPIDCreateValidateRequest message. If the systems are not able to process the request within ten (10) seconds, a fault response is returned to the user with a Tracking ID that the user can use to retrieve the response at a later time.*

2.1 Requesting CRIDs using Mail.XML Web Services

This section describes the CRID request process using Mail.XML. The section covers those who wish to request for multiple CRIDs in one message.

Note: *The MID and CRID Mail.XML requests are processed using the USPS production systems. Therefore, it is very important that the CRID and MID testing scenarios are successfully executed only one time. In order to avoid performance related issues, the Postal Service recommends that the CRID request sent in TEM or Production environment should have no more than twenty (20) CRID requests grouped in one message.*

2.1.1 Preconditions:

1. Review the TEM approval guide “Full-Service Data Feedback Authorization Guide for Mail.XML” located at RIBBS. This guide covers testing scenarios for the CRID and MID generation. Users are required to fill out the Survey form to identify that they wish to test CRID/MID functionality. Completing the survey forms will also initiate the process of mailer/user activation in the TEM (Test environment). Successful tests must be performed in the TEM environment in order to initiate activation in the production environment.
2. When testing in the TEM environment, users should generate requests for CRIDs using test data. The CRIDs generated in the TEM environment are also transmitted to the production environment. Company names that are made up and addresses that do not belong to that facility should be used as test data. Note that the addresses for the CRIDs are matched against the USPS Address Management System Database (AMS) system; therefore, for the CRID request to work the addresses must be real addresses.

When requesting CRIDs in the production environment, correct Company names and correct corresponding addresses should be used.

3. The requester will need one CRID and a Business Customer Gateway account to send this request.
4. The CRIDs can be requested for one's own organization, as well as, for a partner. The Mail.XML message requires the submitter to inform USPS if the request is “ApplyingForSelf” as a Yes or No indicator. Yes is translated as the request is for one's own organization, and No is translated as the request is for one's partner. In case No is selected, the Mail.XML Legal Acknowledgement block becomes required and submitter/agent must provide the full legal acknowledgement statement as defined in the sections below.

2.1.2 Process:

Note: *This section covers an overview of the CRID request process. For detailed Technical Specifications and to identify exactly what format the data is required and what field are required, please review the sections below labeled as “Data Structure and Business Rules for Mail.XML”*

1. Compile the list of addresses for the CRID with the required information as provided in this guide. For more information please review the section Prerequisites above.
2. Convert the list into compatible Mail.XML XSD verified form.
3. It is highly recommended that the requester sends only twenty (20) CRID addresses in one request. Multiple requests can be sent one after the other. For testing in the TEM environment we request that only one successful CRID USPS CRID Create Validate Request be processed, as the CRIDs get transmitted to the Production environment. As for production multiple CRID USPS CRID Create Validate Requests can be sent as needed, with no more than twenty (20) CRID requests in each.

2.1.3 USPS CRID Create Request Overview

Please refer to the USPSCRIDCreateValidateRequest section in this document for details on the required fields and the business logic. Table 2-1 contains a snapshot of this Mail.XML message; more details are listed in the following sections.

Field	Sub Field	Format	Required
SubmittingParty			Required for system
Submitting Software			Required for system
CRIDEntry			
	Company Name	String 40	Required
	Permit Publication Data		Optional
	Company HQ Indicator	Yes or No simple type	Optional
	Address		Required
	Address Match	Yes or No	Required
	Applying For Self	Yes or No	Required
	Legal Acknowledgement Block		Conditional; required if ApplyingForSelf is set to "No"

Table 2-1 USPS CRID Create Request Overview

2.2 Requesting MIDs using Mail.XML Web Services

This section covers the MID request process using Mail.XML. This section covers mailers/users who wish to request many MIDs at the same time.

Note: In order to avoid performance related issues, the Postal Service recommends that the MID request sent in TEM or Production environment should have no more than two (2) MIDEntry requests grouped in one message.

2.2.1 Preconditions:

1. Review the TEM approval guide "Full-Service Data Feedback Authorization Guide for Mail.XML" located on RIBBS. This guide covers testing scenarios for the CRID and MID generation. Users are required to fill out the survey form to identify that they wish to test CRID/MID functionality. Completing the survey forms will also initiate the process of mailer/user activation in the TEM (Test environment). Successful tests must be performed in the TEM environment in order to initiate activation in the production environment.
2. When testing in the TEM environment, users should generate requests for MIDs using test data. The MIDs generated in the TEM environment are also transmitted to the production environment. Company names that are made up and addresses that do not belong to that facility should be used as test data. Note that the addresses for the MIDs are matched against the USPS Address Management System Database (AMS) system; therefore, for the MID request to work the addresses must be real addresses.

When requesting MIDs in the production environment, correct company names and correct corresponding addresses should be used.
3. The requester will need one MID and a Business Customer Gateway account to send this request.
4. The MIDs can be requested for one's own organization, as well as for a partner. The Mail.XML message requires the submitter to inform USPS if the request is "ApplyingForSelf" via use of a Yes or No indicator. Yes is translated as meaning the request is for one's own organization, and No is translated as meaning the request is for one's partner. In case No is selected, the Mail.XML Legal Acknowledgement block becomes required and submitter/agent must provide the full legal acknowledgement statement as defined in the sections below.

2.2.2 Process:

Note: This section covers an overview of the MID request process. For detailed technical specifications and to identify the exact data format the required fields, please review the sections “Data Structure and Business Rules for Mail.XML”

1. Compile the list of MID information and addresses with the required information as provided in this guide.

Note: In the TEM environment only dummy addresses and dummy company names must be used. You must not use real data in TEM as it will cause that data to be transmitted to the production CRID / MID system.

2. Convert the list into compatible Mail.XML XSD verified form.
3. It is highly recommended that the requester sends only two (2) MID addresses in one Mail.XML USPS MID Create Validate Request message. Multiple MID requests can be sent one after the other. For testing in the TEM environment USPS requests that only one successful USPS MID Create Validate Request be processed, as the MIDs get transmitted to the Production environment. In the production environment, multiple USPS MID Create Validate Request can be sent as needed, with no more than two (2) MID requests in each.

2.2.3 USPS MID Create Validate Request

This section contains details on the required fields and the business logic. Table 2-2 contains a snapshot of this Mail.XML message.

Field	Sub-Field	Format	Required
SubmittingParty			Required
SubmittingSoftware			Required
MIDEntry			Required
	CustomerCRID	CRIDType simple type	Required
	ApplyingForSelf	yesNo simple type	Required
	LegalAcknowledgment Block	legalAcknowledgementBlockMIDType complex type	Conditional; required if ApplyingForSelf is set to “No”

Table 2-2 Snapshot of the Mail.XML message

3. MID and CRID Mail.XML Messages Overview

3.1 Overview

As part of the Mail.XML 14.0A Web Services messages, USPS will allow mailers with the capability to manage their corporate identification.

Table 3-1 contains the list of messages supported in Mail.XML 14.0A Specification with their description and details on each of these messages:

Message Name	Message Description
USPSMIDCreateValidateRequest	This message will allow Mailers to request the <i>PostalOne!</i> System to create the Mailer ID (MID), if one already exists, USPS responds with the existing MID.
USPSMIDCreateValidateResponse	This is a response message that notifies the requestor whether the request for creating the MID has been accepted or rejected. If the request is accepted than the MID will be sent back to mailer in the response message
USPSCRIDCreateValidateRequest	This message will allow mailers to request the <i>PostalOne!</i> System to create the CRID for their corporation, if one already exists, USPS responds with the existing CRID.
USPSCRIDCreateValidateResponse	This is a response message that informs the requestor whether the request for creating the CRID has been accepted or rejected. If the request is accepted than the CRID will be sent back to the mailer in the response message

Table 3-1 Profile Management Messages Supported in Mail.XML 14.0A

3.2 Profile Management Messages Workflow

All messages in Profile Management families follows Pull method where user sends a request and expects to receive a response whether with the data or error/return code that is returned to the user.

There is no order by which user must request or send messages. User can request CRID or MID creation messages without any order.

3.3 Exceptions

The following table contains the exceptions identified by the USPS.

Mail.XML Version	Exception Description
12.0A,12.0B and 14.0A	The customer should not zero pad their MID and CRID ID's

Table 3-2 List of exceptions identified by USPS

3.4 Fault Codes

Faults, such as a message timeout or invalid XML are to be communicated using the fault element and returned within the detail section of the SOAP fault. The fault is made up of a Tracking ID and one or more fault codes and optional fault descriptions. Note all of the Error/Return Codes listed below are supported in Mail.XML 14.0A.

Table 3-3 contains the list of fault codes that are applicable to all Mail.XML messages, they are sent whenever a fault occurs in the transmission of the message.

Code	Description	Action*	Messages	Severity
401	Incomplete/Cannot Parse	Please submit the request again with well-formed XML according to XSD.	Fault (All Mail.XML Messages)	Error
402	Not Well Formed XML	Please submit the request again with well-formed XML according	Fault (All Mail.XML Messages)	Error

Code	Description	Action*	Messages	Severity
		to XSD		
403	Request XML is invalid against the XSDs	Please submit the request again with well-formed XML according to XSD.	Fault (All Mail.XML Messages)	Error
412	Invalid user	Please submit the request again with a valid user.	Fault (All Mail.XML Messages)	Error
440	Sorry - MailXML version is not supported	Please submit the request again with MailXML version supported by PostalOne Data Distribution System.	Fault (All Mail.XML Messages)	Error
500	Mail.XML generic internal error	Please contact PostalOne! Help Desk.	Fault (All Mail.XML Messages)	Error
501	MailXML request is missing 'SubmitterTrackingID' which is required for processing the Message	Please submit the request again with SubmitterTrackingID.	Fault (All Mail.XML Messages)	Error
502 ¹	Duplicate submitter ID. This Mail.XML request for Message #messageName# with SubmitterTrackingID #submitterTrackingID# was not processed by Mail.XML application because an identical request was received on #submitDate# and was assigned TrackingID of #trackingID#.	Please use the MRRR message with Tracking ID #trackingID# to retrieve.	Fault (All Mail.XML Messages)	Error
503	Not Implemented - MailXML message received is not supported	Please submit the request again with MailXML message supported by PostalOne Data Distribution System.	Fault (All Mail.XML Messages)	Error
505 ¹	Submitter tracking ID is too long	Please submit the request again with SubmitterTrackingID length not exceeding the length specified in the Tech Spec.	Fault (All Mail.XML Messages)	Error
1500	Invalid tracking ID	Please submit the request again with a valid Tracking ID.	Fault (All Mail.XML Messages)	Error
1502 ²	Come Back Later	The response is not available at this time, Please try again later.	Fault (All Mail.XML Messages)	Warning
1502	Come Back Later	The response is not available at this time, Please try again later.	MessageResponseRetrievalResponse	Warning
1510	The TrackingID provided in the MessageResponseRetrievalResponse request was processed by Mail.XML application on #processedDate#. No response was received by Mail.XML from the target application.	Please submit the request again or contact PostalOne! Help Desk.	Fault (All Mail.XML Messages)	Information
1600	MRRR version not matching original request version.	Please submit the MRRR request again using the same MailXML version that was used to submit the original request.	Fault (All Mail.XML Messages)	Error
5101 ³	Unauthorized - Required SubmittingParty information is empty or missing.	Please submit the request again with valid SubmittingParty block.	Fault (All Mail.XML Messages)	Error
5102 ³	Unauthorized - User does not have access to specified SubmittingParty.	Please submit the request again with valid SubmittingParty block or contact PostalOne! Help	Fault (All Mail.XML Messages)	Error

Code	Description	Action*	Messages	Severity
5103 ³	Unauthorized - User does not have access to 'Manage Mailing Activity' service.	Desk. Please contact PostalOne! Help Desk.	Fault (All Mail.XML Messages)	Error
¹ Error code 501 was used for any Submitter Tracking ID error. In Release 37, Error Codes 502 and 505 are used to enable distinction between Submitter tracking ID errors. ² Error Code 500 was used for any generic error and Come Back Later faults. In Release 37, Error Code 1502 is used for any Come Back Later message for consistency. ³ Error Code 412 was used for any User Error. In Release 37, Error Codes 5101, 5102 and 5103 are used to enable distinction between user errors. * Action tags are only available for Mail.XML specs 14.0A and above.				

Table 3-3 Fault Codes

3.5 MID and CRID Error/Return Codes

Tables 3-4 and 3-5 contain the list of the return codes that the *PostalOne!* system will communicate to the customer in response to the MID/CRID Create validate request messages to indicate the success or the failure of the request. These error/return codes are applicable to Mail.XML 14.0A versions.

Code	Description	Messages
5000	FULLSERVICE-EDOC: REQUEST SERVED SUCCESSFULLY.	USPSCRIDCreateValidateResponse
5001	FULLSERVICE-EDOC: Not Valid Schema.	USPSCRIDCreateValidateResponse
5007	FULLSERVICE-EDOC: Internal System error message. Please contact <i>PostalOne!</i> Help Desk	USPSCRIDCreateValidateResponse
5008	FULLSERVICE-EDOC: Empty Message. Please Contact <i>PostalOne!</i> Help Desk.	USPSCRIDCreateValidateResponse
5009	FULLSERVICE-EDOC: Request is not XML Message. Please Contact <i>PostalOne!</i> Help Desk.	USPSCRIDCreateValidateResponse
5012	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock' must be specified when 'ApplyingForSelf' is 'No'.	USPSCRIDCreateValidateResponse
5013	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock > UnderstandLegalLiabilityForApplyingForSomeoneElse' must be 'Yes' when 'ApplyingForSelf' is 'No'.	USPSCRIDCreateValidateResponse
5014	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock > AcknowledgeNotifyingTheMailOwner' must be 'Yes' when 'ApplyingForSelf' is 'No'	USPSCRIDCreateValidateResponse
5015	FULLSERVICE-EDOC: The text in the 'USPSLegalAgreement' element does not match the text defined in the Mail.XML specification.	USPSCRIDCreateValidateResponse
5017	FULLSERVICE-EDOC: The address provided is not a valid USPS address	USPSCRIDCreateValidateResponse
5018	FULLSERVICE-EDOC: Multiple locations were found for the given address. Please be more specific with the address you provide so that it maps to a single location.	USPSCRIDCreateValidateResponse
5027	Failure response (non-success status code) received from Customer Registration system.	USPSCRIDCreateValidateResponse
5031	The Company was not found.	USPSCRIDCreateValidateResponse
5034	FULLSERVICE-EDOC: CRID cannot be present in the CRIDEntry block for the CRID Create process	USPSCRIDCreateValidateResponse

Code	Description	Messages
5035	FULLSERVICE-EDOC: CompanyName or Address cannot be present in the CRIDEntry block for the CRID Query process.	USPSCRIDCreateValidateResponse

Table 3-4 CRID Error/Return Codes

Code	Description	Messages
5007	FULLSERVICE-EDOC: Internal System error message Please Contact <i>Posta/One!</i> Help Desk	USPSMIDCreateValidateResponse
5012	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock' must be specified when 'ApplyingForSelf' is 'No'	USPSMIDCreateValidateResponse
5013	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock > UnderstandLegalLiabilityForApplyingForSomeOneElse' must be 'Yes' when 'ApplyingForSelf' is 'No'	USPSMIDCreateValidateResponse
5014	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock > AcknowledgeNotifyingTheMailOwner' must be 'Yes' when 'ApplyingForSelf' is 'No'	USPSMIDCreateValidateResponse
5015	FULLSERVICE-EDOC: The text in the 'USPSLegalAgreement' element does not match the text defined in the MailXml specification	USPSMIDCreateValidateResponse
5016	FULLSERVICE-EDOC: The specified 'CustomerCRID' could not be found	USPSMIDCreateValidateResponse
5021	FULLSERVICE-EDOC: CustomerCRID is required in the MIDEntry block for the MID Create process.	USPSMIDCreateValidateResponse
5022	FULLSERVICE-EDOC: CustomerCRID or MID is required in the MIDEntry block for the MID Query process.	USPSMIDCreateValidateResponse
5023	FULLSERVICE-EDOC: Both CustomerCRID and MID cannot be present in the MIDEntry block for the MID Query process.	USPSMIDCreateValidateResponse
5024	FULLSERVICE-EDOC: All MIDEntry blocks must have CustomerCRID specified or all MIDEntry blocks must have MID specified for the MID Query process. Switching from CustomerCRID to MID is not allowed between MIDEntry blocks.	USPSMIDCreateValidateResponse
5025	FULLSERVICE-EDOC: CustomerCRID and MID are required in the MIDEntry block for the MID Validate process.	USPSMIDCreateValidateResponse
5027	Failure response (non-success status code) received from Customer Registration system.	USPSMIDCreateValidateResponse
5028	Failure response (non-success status code) received from MID system.	USPSMIDCreateValidateResponse
5029	Mid data not found.	USPSMIDCreateValidateResponse
5030	Crid Data not found.	USPSMIDCreateValidateResponse
5032	The company was not found.	USPSMIDCreateValidateResponse
5033	FULLSERVICE-EDOC: CustomerName, CompanyHQIndicator, Address1, Address2, City, State, ZipCode are not allowed when MID is specified.	USPSMIDCreateValidateResponse

Table 3-5 MID Error/Return Codes

4. Data Structure and Business Rules for Mail.XML 14.0A Specification

The following section identify the business rules and data structure for each of the MID and CRID messages that will be supported in the Mail.XML 14.0A specification.

4.1 USPSMIDCreateValidateRequest

The purpose of this message is to send a request for creating Mailer ID (MID).

Prerequisites

- Mailer requests the creation of one or more MIDs.
- Mailer passes in the following information at a minimum per MID requested (information must be repeated for each MID requested):
 - o CRID
 - o ApplyingForSelf
- The *PostalOne!* system will provide feedback to the mailer using USPSMIDCreateValidateResponse Message

If successful:

- Response is returned to mailer
- Response will include per MID requested:
 - o One 9-digit MID if newly created
 - o One or more MIDs if existing

If not successful:

- Response is returned to mailer
- Response will indicate the problem per MID requested

Business Rules

For each USPSMIDCreateValidateRequest message, the customer needs to provide the information for all of the required blocks.

- Submitting Party
- Submitting Software
- SubmitterTrackingID

The *PostalOne!* system for each Mail.XML message submitted uses the combination of message name, the SubmitterTrackingID, User ID, and the Mail.XML application generated variables of TrackingID and RequestReceived to check if the message has already been processed in the last 45 days. If the message was already processed then the *PostalOne!* system shall consider the request as a duplicate request and in this case the system shall send the Response that was processed for the previous request. In this case the system adds a Warning message in the Accept block notifying the submitter that the request was a duplicate request.

The identifier, *SubmitterTrackingID* is part of all Mail.XML Request headers. This SubmitterTrackingID allows for the submitter of the request to uniquely identify one message from the other and to assist with identifying duplicate requests. The system shall handle this process for all Mail.XML Request messages including messages for eDoc, FAST, Data Distribution and MID/CRID generation.

- Customer CRID
- Customer Name (Optional)
- Optional to provide Permit Info
- Company HQ Indicator – The accepted values are ‘Yes’ or ‘No’ (Optional)
- Address Information (optional)

- Sequence Number (Optional)
- Applying for Self Indicator. Accepted values are 'Yes' or 'No' – Required
- Legal Acknowledgment - Required to provide Legal Acknowledgment Block when Self Indicator is "No." This block requires following info:
 - o UnderstandLegalLiabilityForApplyingForSomeOneElse
 - o AcknowledgementNotifyingTheMailOwner
 - o USPSLegalAgreement

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
USPSMIDCreateValidateRequest BEGINS				
SubmittingParty	participantIDType complex type	-	Required	SubmittingParty attributes not required by XSD, but CRID attribute in SubmittingParty is required by application to validate the user Refer to this complex type in Section 5
SubmittingSoftware	submittingSoftwareType complex type	-	Required	Refer to this complex type in Section 5
SubmitterTrackingID	String 20		Required	Refer to this simple type in Section 6
MIDEntry	midEntryType complex type	-	Required 1 to many	See below for details on midEntryType
midEntryType BEGINS				
CustomerCRID	CRIDType simple type	-	Required	Refer to this simple type in Section 6
CustomerName	String		Optional	
PermitPublicationData	permitPublicationDataType complex type	-	Optional	Refer to this complex type in Section 5
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Section 6
Address1	String 64		Optional	
Address2	String 64		Optional	
City	String 50		Optional	
State	String 2		Optional	
ZipCode	Numeric String 5		Optional	
SequenceNumber	Integer		Optional	
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Section 6
LegalAcknowledgment Block	legalAcknowledgmentBlockMIDType complex type	-	Conditionally Required when ApplyingForSelf is "No"	Refer to this complex type in Section 5
midEntryType ENDS				
USPSMIDCreateValidateRequest ENDS				

4.2 USPSMIDCreateValidateResponse

The message is sent by USPS to customer in response to MID Create validate response messages

Prerequisites

- Mailer requests the creation of one or more MIDs.
- Mailer passes in the following information at a minimum per MID requested (information must be repeated for each MID requested):
 - o CRID
 - o ApplyingForSelf
- The *PostalOne!* system will provide feedback to the mailer using USPSMIDCreateValidateResponse Message

If successful:

- Response is returned to mailer
- Response will include per MID requested:
 - o One 9-digit MID if newly created
 - o One or more MIDs if existing

If not successful:

- Response is returned to mailer
- Response will indicate the problem per MID requested

Business Rules

Note: The USPSMIDCreateValidateResponse message returns one of the two messages block i.e. MID Accepted or MID Reject Block.

- In ACCEPT block
 - o Returns all of the data blocks/elements that were sent in the USPSMIDCreateValidateRequest message AND
 - o MID information, which is either MID6 or MID9 AND
 - o OPTIONAL return info block that contains return code and return description
- in REJECT block
 - o Returns all of the data blocks/elements that were sent in the USPSMIDCreateValidateRequest message AND
 - o REQUIRED return info block that contains return code and return description to communicate the issue

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
USPSMIDCreateValidateResponse BEGINS				
TrackingID	String 20	-	Optional Allows the user to retrieve the data without requiring	
SubmitterTrackingID	String 20		Required	Refer to this simple type in Section 6
Choice Block BEGINS			1 to many allowed Either Accept or Reject block is returned	

Field	Format	Acceptable Value	Business Rules	Comments
USPSMIDCreateAccept Block BEGINS				
MID	MIDType complex type	-	Optional	Refer to this complex type in Section 5
MIDStatus	midStatus Type simple type	-	Optional	Refer to this simple type in Section 6
MIDEntry	midEntryType complex type	-	Optional	Refer to this complex type in Section 5
RelatedPermitPublicationData	mailxml_defs:permitPublicationDataType		Optional	Refer to this complex type in Section 5
ReturnInfo	basicReturnInfo complex type		Optional	Refer to this complex type in Section 5
USPSMIDCreateAccept Block ENDS				
USPSMIDCreateReject Block BEGINS				
MIDEntry	midEntryType complex type	-	Required	Refer to this complex type in Section 5
ReturnInfo	basicReturnInfo complex type	-	Required	Refer to this complex type in Section 5
USPSMIDCreateReject Block ENDS				
Choice Block ENDS				
USPSMIDCreateValidateResponse ENDS				

4.3 USPSCRIDCreateValidateRequest

The purpose of this message is to send a request for creating Mailer CRIDs

Prerequisites

- Mailer requests the creation of one or more CRIDs using USPSCRIDCreateValidateRequest Message.
- Mailer passes the required information per CRID requested
- The *PostalOne!* system provides feedback to the mailer using USPSCRIDCreateValidateResponse Message

If successful:

- Response is returned to mailer
- Response will indicate whether the included CRID is new or existing
- There will always be exactly one CRID returned for a given CRID requested

If not successful:

- Response is returned to mailer:
- Response will indicate the problem per CRID requested

Business Rules

For each USPSCRIDCreateValidateRequest message, the customer needs to provide the information for all of the required blocks.

- Submitting Party
- Submitting Software
- SubmitterTrackingID
- Company Name

- Permit Publication Block (Optional) that must provide information for the following required elements:
 - o Permit Number and PermitZip4 OR
 - o Publication Number
- Company HQ indicator. The accepted values are 'Yes' or 'No'
- Address Information block that must provide information for the required elements. Only AMS matched addresses will be processed for CRIDs. Mailers are requested to verify if the addresses are cleansed and can be matched in the AMS system.
 - o Address 1
 - o City
 - o State
 - o Zip Code
- Address Match Indicator. The accepted values are 'Yes' or 'No'
- Applying for Self indicator. The accepted values are 'Yes' or 'No'
- Required to provide Legal Acknowledgment block when 'Self Indicator' is No. The block requires following information
 - o UnderstandLegalLiabilityForApplyingForSomeoneElse. The accepted values are 'Yes' or 'No'.
 - o AcknowledgeNotifyingTheMailOwner. The accepted values are 'Yes' or 'No'
 - o USPSLegalAgreement. This field contains the USPS legal agreement by default.

The *PostalOne!* system for each Mail.XML message submitted uses the combination of message name, the SubmitterTrackingID, User ID, and the Mail.XML application generated variables of TrackingID and RequestReceived to check if the message has already been processed in the last 45 days. If the message was already processed then The *PostalOne!* system shall consider the request as a duplicate request and in this case the system shall send the Response that was processed for the previous request. In this case the system adds a Warning message in the Accept block notifying the submitter that the request was a duplicate request.

The *PostalOne!* system will implement the new identifier "SubmitterTrackingID" that will be made part of all Mail.XML Request headers. This SubmitterTrackingID allows for the submitter of the request to uniquely identify one message from the other and to assist with identifying duplicate requests. The system shall handle this process for all Mail.XML Request messages including messages for eDoc, FAST, Data Distribution and MID/CRID generation.

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
USPSMIDCreateValid ateRequest BEGINS				
SubmittingParty	participantIDType complex type	-	Required	SubmittingParty attributes not required by XSD, but SubmittingParty is required by application to validate the user Refer to this complex type in Section 5
SubmittingSoftware	submittingSoftwareTy pe complex type	-	Required	Refer to this complex type in Section 5
SubmitterTrackingID	String 20		Required	Refer to this simple type in Section 6
CRIDEntry	CRIDEntryType complex type	-	Required 1 to many allowed	See below details for CRIDEntryType

Field	Format	Acceptable Value	Business Rules	Comments
CRIDEntryType BEGINS				
CompanyName	String 40		Required	-
PermitPublicationData	permitPublicationData Type complex type	-	Optional	Refer to this complex type in Section 5
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Section 6
Address	addressType complex type	-	Required	Refer to this complex type in Section 5
AddressMatch	yesNo simple type	-	Required	Refer to this simple type in Section 6
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Section 6
LegalAcknowledgeme ntBlock	legalAcknowledgeme ntBlockCRIDtype complex type	-	Conditionally Required when ApplyingForSelf is "No"	Refer to this complex type in Section 5
CRIDEntryType ENDS				

4.4 USPSCRIDCreateValidateResponse

This message is sent by USPS to customer with the CRID number.

Prerequisites

- Mailer requests the creation of one or more CRIDs using USPSCRIDCreateValidateRequest Message.
- Mailer passes the required information per CRID requested
- The *PostalOne!* system provides feedback to the mailer using USPSCRIDCreateValidateResponse Message

If successful:

- Response is returned to mailer
- Response will indicate whether the included CRID is new or existing
- There will always be exactly one CRID returned for a given CRID requested

If not successful:

- Response is returned to mailer:
- Response will indicate the problem per CRID requested

Business Rules

The USPSCRIDCreateValidateResponse message returns one of the two messages block i.e. MID Accepted or MID Reject Block.

- In ACCEPT block
 - o Returns all of the data blocks/elements that were sent in the USPSCRIDCreateValidateRequest message AND
 - o CRID number AND
 - o OPTIONAL return info block that contains return code and return description to communicate the issues
- In REJECT block
 - o Returns all of the data blocks/elements that were sent in the USPSCRIDCreateValidateRequest message AND

- o REQUIRED return info block that contains return code and return description to communicate the issue.

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
USPSCRIDCreateValidationResponse BEGINS				
TrackingID	String 20	-	Optional Allows the user to retrieve the data without requiring it.	
SubmitterTrackingID	String 20		Required	Refer to this simple type in Section 6
Choice Block BEGINS			Required 1 to many allowed. Either QueryResults or QueryError block is returned	
USPSCRIDCreateAccept BEGINS			Required	
CRID	CRIDType	-	Required	Refer to this simple type in Section 6
CRIDStatus	cRIDStatusType simple type	-	Required	Refer to this simple type in Section 6
CRIDEntry	cridEntryType complex type	-	Required	Refer to this complex type in Section 5
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer to this complex type in Section 5
RelatedPermitPublicationData	mailxml_defs:permitPublicationDataType		Optional	Refer to this complex type in Section 5
USPSCRIDCreateAccept Block ENDS				
USPSCRIDCreateReject Block BEGINS				
CRIDEntry	cridEntryType complex type		Required	Refer to this complex type in Section 5
ReturnInfo	basicReturnInfo complex type		Required	Refer to this complex type in Section 5
USPSCRIDCreateReject Block ENDS				
USPSCRIDCreateValidationResponse ENDS				

5. Mail.XML 14.0A Complex and Attribute Groups Definitions

5.1 Complex Type: basicReturnInfo

Field	Format	Acceptable Values	Business Rules	Comments
Sequence Block BEGINS			Optional 0 to many allowed	
Return Code	Numeric String – Length 4	-	Optional	
Return Description	String, Length 260	-	Required	
ContainerErrorWarningBlock	containerErrorWarningBlockType complex type	-	Optional	Refer to this complex type in Section 5
Sequence Block ENDS				

5.2 Complex Type: CRIDCreateResponseType

Field	Format	Acceptable Value	Business Rules	Comments
midCreateResponseType BEGINS				
CRID Type	CRIDType String Simple type	-	Optional	Refer to this simple type in Section 6
CRIDStatus Type	CRIDStatus Type String simple type		Optional	Refer to this simple type in Section 6
CRIDEntry Type	CRIDEntryType complex type	-	Optional	Refer to this complex type in Section 5
Related Permit Publication Data Type	Permit Publication Data Type yesNo simple type	-	Optional	Refer to this simple type in Section 6
Return Info Type	ReturnInfo Type Complex type	-	Optional	Refer to this complex type in Section 5
midCreateResponseType ENDS				

5.3 Complex Type: CRIDEntryType

Field	Format	Acceptable Value	Business Rules	Comments
CRIDEntryType BEGINS				
CRID	String 15		Optional	Refer to this simple type in Section 6
CompanyName	String 40		Optional	-
PermitPublicationData	permitPublicationData Type complex type	-	Optional	Refer to this complex type in Section 5
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Section 6
Address	addressType complex type	-	Optional	Refer to this complex type in Section 5
AddressMatch	yesNo simple type	-	Required	Refer to this simple type in Section 6
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Section 6
LegalAcknowledgementBlock	legalAcknowledgementBlockCRIDtype complex type	-	Conditional; required when ApplyingForSelf is set to “No”	Refer to this complex type in Section 5

Field	Format	Acceptable Value	Business Rules	Comments
CRIDEntryType BEGINS				

5.4 Complex Type: CRidQueryResponseType

Field	Format	Acceptable Value	Business Rules	Comments
midCreateResponseType BEGINS				
CRIDEntry Type	CRIDEntryType complex type	-	Optional	Refer to this complex type in Section 5
CRID Type	CRIDType String Simple type	-	Optional	Refer to this simple type in Section 6
Return Info Type	ReturnInfo Type Complex type	-	Optional	Refer to this simple type in Section 6
midCreateResponseType ENDS				

5.5 Complex Type: CRidValidateResponseType

Field	Format	Acceptable Value	Business Rules	Comments
midCreateResponseType BEGINS				
CRIDEntry Type	CRIDEntryType complex type	-	Optional	Refer to this complex type in Section 5
CRID Matches Type	CRIDMatches yesNo Simple Type		Required	Refer to this simple type in Section 6
Return Info Type	ReturnInfo Type Complex type	-	Optional	Refer to this complex type in Section 5
midCreateResponseType ENDS				

5.6 Complex Type: LegalAcknowledgmentBlockCRIDType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledgmentBlockCRIDType BEGINS				
UnderstandLegalLiabilityForApplyingForSomeoneElse	yesNo simple type	-	Required	Refer to this simple type in Section 6
AcknowledgeNotifyingTheMailOwner	yesNo simple type	-	Required	Refer to this simple type in Section 6
USPSLegalAgreement	String		Required This Declaration pertains to the Mail Service Provider service that allows authorized Mail Service Providers to register with the United States Postal Service (USPS) to receive, apply, and use USPS system	-

Field	Format	Acceptable Value	Business Rules	Comments
			<p>identification numbers on behalf of a Mail Owner. - a. A Mail Service Provider (MSP), hereafter known as Mailing Agent, is a company or entity that performs one or more of the following functions on behalf of other companies or organizations: designs, creates, prepares, processes, sorts, or otherwise prepares postcards, letters, flats or packages for acceptance and delivery by the Postal Service.- b. A Mail Owner is defined as a company that has authorized a Mail Service Provider to act as its Mailing Agent with the USPS, and to perform Mailing Services on its behalf using the Mail Owner's Mailer ID/Customer Registration ID or other USPS system identification number in the Mail Owner's name.- c. USPS system identification numbers include but are not limited to Mailer ID (MID) and Customer Registration ID (CRID). A CRID is a unique number for a Mail Owner or Mailing Agent at an address and is normally assigned when a Mail Owner or Mailing Agent applies online with the Postal Service through the Business Customer Gateway. - d. By/For reflects the</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			<p>relationship between the Mail Owner and Mailing Agent where typically the By field identifies the Mailing Agent and the For field identifies the Mail Owner. - e. A MID is a six-digit or nine-digit unique number which the USPS assigns to a Mail Owner or Mailing Agent for use in the Intelligent Mail barcodes to identify the Mail Owner or Mailing Agent. A MID is used to send information to the Mail Owner or Mailing Agent associated with the Mailer ID regarding Intelligent Mail mailing and shipping, and is normally assigned when a Mail Owner or Mailing Agent applies online with the USPS through the Business Customer Gateway. - f. A Business Service is defined as an online business function accessed through the Business Customer Gateway at gateway.usps.com, hereafter known as Business Services. - g. I, the Mailing Agent, declare to the USPS that I have been authorized by my Mail Owner(s) to act as their Mailing Agent with the USPS and obtain the Business Services requested for business mailing matters on their behalf. - h. The Mailing Agent acknowledges that it has informed its Mail Owner customer(s),</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			<p>via electronic or paper communication, that: -</p> <p>i. 1. The Mail Owner remains responsible for all actions performed by its Mailing Agent with respect to its Mailer IDs, CRIDs or other USPS system identification numbers and Business Services; - j. 2. The Mail Owner can obtain details or ask questions from the USPS regarding its USPS system identification numbers and/or access to their information online at gateway.usps.com; and - k. 3. When the Delegate Management option for an USPS system identification numbers has been requested, the management of the USPS system identification numbers or Business Services access obtained on their behalf will be delegated to the Mailing Agent company and that this delegation may be revoked by the Mail Owner at any time. - l. The Mailing Agent declares, that: - m. 1. It has reviewed the terms and conditions, as outlined in the Guide to Intelligent Mail Letters and Flats regarding mailer identification (By/For) relationship information with all Mail Owners for whom the customer identification numbers or business services have been requested; and/or - n. It has</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			<p>reviewed the terms and conditions, as outlined in Publication 199 Intelligent Mail Package Barcode (IMpb) Implementation Guide for Confirmation Services and Electronic Verification System (eVS) Mailers and Publication 205 Electronic Verification System (eVS) Business and Technical Guide regarding use of the CRIDs, MID and other USPS identification numbers; - o. 2. It has advised and provided its Mail Owner the requisite information that is provided by the USPS including but not limited to USPS documentation on products and services defined in the Mailing Standards of the United States Postal Service (Domestic Mail Manual and International Mail Manual), technical specifications and guides, Postal Bulletins and Federal Register Notices; - p. 3. It has provided its Mail Owner the requisite information regarding pricing programs which includes but is not limited to incentive programs, contractual pricing the promotional campaign marketing material; work share discounts policies, participation and eligibility rules as defined in Federal Register Notices filed by Product</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			Classification of the USPS; and - q. 4. My Mail Owner has provided this authorization in writing and will produce such authorization upon request to the USPS or the United States Postal Inspection Service (or their agent). - r.	
LegalAcknowledgementBlockCRIDType ENDS				

5.7 Complex Type: LegalAcknowledgmentBlockMIDType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledgementBlockMIDType BEGINS				
UnderstandLegalLiabilityForApplyingForSomeoneElse	yesNo simple type	-	Required	Refer to this simple type in Section 6
AcknowledgeNotifyingTheMailOwner	yesNo simple type	-	Required	Refer to this simple type in Section 6
USPSLegalAgreement	String		Required This Declaration pertains to the Mail Service Provider service that allows authorized Mail Service Providers to register with the United States Postal Service (USPS) to receive, apply, and use USPS system identification numbers on behalf of a Mail Owner. - a. A Mail Service Provider (MSP), hereafter known as Mailing Agent, is a company or entity that performs one or more of the following functions on behalf of other companies or organizations: designs, creates, prepares, processes, sorts, or otherwise	-

Field	Format	Acceptable Value	Business Rules	Comments
			<p>prepares postcards, letters, flats or packages for acceptance and delivery by the Postal Service.- b. A Mail Owner is defined as a company that has authorized a Mail Service Provider to act as its Mailing Agent with the USPS, and to perform Mailing Services on its behalf using the Mail Owner's Mailer ID/Customer Registration ID or other USPS system identification number in the Mail Owner's name.- c. USPS system identification numbers include but are not limited to Mailer ID (MID) and Customer Registration ID (CRID). A CRID is a unique number for a Mail Owner or Mailing Agent at an address and is normally assigned when a Mail Owner or Mailing Agent applies online with the Postal Service through the Business Customer Gateway. - d. By/For reflects the relationship between the Mail Owner and Mailing Agent where typically the By field identifies the Mailing Agent and the For field identifies the Mail Owner. - e. A MID is a six-digit or nine-digit unique number which the USPS assigns to a Mail Owner or Mailing Agent for use in the Intelligent Mail barcodes to identify the Mail Owner or</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			<p>Mailing Agent. A MID is used to send information to the Mail Owner or Mailing Agent associated with the Mailer ID regarding Intelligent Mail mailing and shipping, and is normally assigned when a Mail Owner or Mailing Agent applies online with the USPS through the Business Customer Gateway. -</p> <p>f. A Business Service is defined as an online business function accessed through the Business Customer Gateway at gateway.usps.com, hereafter known as Business Services. -</p> <p>g. I, the Mailing Agent, declare to the USPS that I have been authorized by my Mail Owner(s) to act as their Mailing Agent with the USPS and obtain the Business Services requested for business mailing matters on their behalf. -</p> <p>h. The Mailing Agent acknowledges that it has informed its Mail Owner customer(s), via electronic or paper communication, that: -</p> <p>i. 1. The Mail Owner remains responsible for all actions performed by its Mailing Agent with respect to its Mailer IDs, CRIDs or other USPS system identification numbers and Business Services; -</p> <p>j. 2. The Mail Owner can obtain details or ask questions from the</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			<p>USPS regarding its USPS system identification numbers and/or access to their information online at gateway.usps.com; and - k. 3. When the Delegate Management option for an USPS system identification numbers has been requested, the management of the USPS system identification numbers or Business Services access obtained on their behalf will be delegated to the Mailing Agent company and that this delegation may be revoked by the Mail Owner at any time. - l. The Mailing Agent declares, that: - m. 1. It has reviewed the terms and conditions, as outlined in the Guide to Intelligent Mail Letters and Flats regarding mailer identification (By/For) relationship information with all Mail Owners for whom the customer identification numbers or business services have been requested; and/or - n. It has reviewed the terms and conditions, as outlined in Publication 199 Intelligent Mail Package Barcode (IMpb) Implementation Guide for Confirmation Services and Electronic Verification System (eVS) Mailers and Publication 205 Electronic Verification System (eVS) Business and Technical Guide</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			<p>regarding use of the CRIDs, MID and other USPS identification numbers; - o. 2. It has advised and provided its Mail Owner the requisite information that is provided by the USPS including but not limited to USPS documentation on products and services defined in the Mailing Standards of the United States Postal Service (Domestic Mail Manual and International Mail Manual), technical specifications and guides, Postal Bulletins and Federal Register Notices; - p. 3. It has provided its Mail Owner the requisite information regarding pricing programs which includes but is not limited to incentive programs, contractual pricing the promotional campaign marketing material; work share discounts policies, participation and eligibility rules as defined in Federal Register Notices filed by Product Classification of the USPS; and - q. 4. My Mail Owner has provided this authorization in writing and will produce such authorization upon request to the USPS or the United States Postal Inspection Service (or their agent). - r.</p>	
LegalAcknowledgementBlockMIDType ENDS				

5.8 Complex Type: LegalAcknowledgmentBlockMSPSType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledgmentBlockMSPSType BEGINS				
UnderstandLegalLiabilityForApplyingForSomeoneElse	yesNo simple type	-	Required Default = No	Refer to this simple type in Section 6
AcknowledgeNotifyingTheMailOwner	yesNo simple type	-	Required	Refer to this simple type in Section 6
USPSLegalAgreement	String		Required This Declaration pertains to the Mail Service Provider service that allows authorized Mail Service Providers to register with the United States Postal Service (USPS) to receive, apply, and use USPS system identification numbers on behalf of a Mail Owner. - a. A Mail Service Provider (MSP), hereafter known as Mailing Agent, is a company or entity that performs one or more of the following functions on behalf of other companies or organizations: designs, creates, prepares, processes, sorts, or otherwise prepares postcards, letters, flats or packages for acceptance and delivery by the Postal Service.- b. A Mail Owner is defined as a company that has authorized a Mail Service Provider to act as its Mailing Agent with the USPS, and to perform Mailing Services on its behalf using the Mail Owner's Mailer ID/Customer Registration ID or	-

Field	Format	Acceptable Value	Business Rules	Comments
			<p>other USPS system identification number in the Mail Owner's name.- c. USPS system identification numbers include but are not limited to Mailer ID (MID) and Customer Registration ID (CRID). A CRID is a unique number for a Mail Owner or Mailing Agent at an address and is normally assigned when a Mail Owner or Mailing Agent applies online with the Postal Service through the Business Customer Gateway. - d. By/For reflects the relationship between the Mail Owner and Mailing Agent where typically the By field identifies the Mailing Agent and the For field identifies the Mail Owner. - e. A MID is a six-digit or nine-digit unique number which the USPS assigns to a Mail Owner or Mailing Agent for use in the Intelligent Mail barcodes to identify the Mail Owner or Mailing Agent. A MID is used to send information to the Mail Owner or Mailing Agent associated with the Mailer ID regarding Intelligent Mail mailing and shipping, and is normally assigned when a Mail Owner or Mailing Agent applies online with the USPS through the Business Customer Gateway. - f. A Business Service is defined as an online business</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			<p>function accessed through the Business Customer Gateway at gateway.usps.com, hereafter known as Business Services. - g. I, the Mailing Agent, declare to the USPS that I have been authorized by my Mail Owner(s) to act as their Mailing Agent with the USPS and obtain the Business Services requested for business mailing matters on their behalf. - h. The Mailing Agent acknowledges that it has informed its Mail Owner customer(s), via electronic or paper communication, that: - i. 1. The Mail Owner remains responsible for all actions performed by its Mailing Agent with respect to its Mailer IDs, CRIDs or other USPS system identification numbers and Business Services; - j. 2. The Mail Owner can obtain details or ask questions from the USPS regarding its USPS system identification numbers and/or access to their information online at gateway.usps.com; and - k. 3. When the Delegate Management option for an USPS system identification numbers has been requested, the management of the USPS system identification numbers or Business Services access obtained on their behalf will be</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			<p>delegated to the Mailing Agent company and that this delegation may be revoked by the Mail Owner at any time. - l. The Mailing Agent declares, that: - m. 1. It has reviewed the terms and conditions, as outlined in the Guide to Intelligent Mail Letters and Flats regarding mailer identification (By/For) relationship information with all Mail Owners for whom the customer identification numbers or business services have been requested; and/or - n. It has reviewed the terms and conditions, as outlined in Publication 199 Intelligent Mail Package Barcode (IMpb) Implementation Guide for Confirmation Services and Electronic Verification System (eVS) Mailers and Publication 205 Electronic Verification System (eVS) Business and Technical Guide regarding use of the CRIDs, MID and other USPS identification numbers; - o. 2. It has advised and provided its Mail Owner the requisite information that is provided by the USPS including but not limited to USPS documentation on products and services defined in the Mailing Standards of the United States Postal Service (Domestic Mail Manual and</p>	

Field	Format	Acceptable Value	Business Rules	Comments
			International Mail Manual), technical specifications and guides, Postal Bulletins and Federal Register Notices; - p. 3. It has provided its Mail Owner the requisite information regarding pricing programs which includes but is not limited to incentive programs, contractual pricing the promotional campaign marketing material; work share discounts policies, participation and eligibility rules as defined in Federal Register Notices filed by Product Classification of the USPS; and - q. 4. My Mail Owner has provided this authorization in writing and will produce such authorization upon request to the USPS or the United States Postal Inspection Service (or their agent). – r.	
LegalAcknowledgementBlockMSPSType ENDS				

5.9 Complex: MidCreateResponseType

Field	Format	Acceptable Value	Business Rules	Comments
midCreateResponseType BEGINS				
MID Type	MIDType Complex type	-	Optional	Refer to this complex type in Section 5
MIDStatus Type	String simple type		Optional	Refer to this simple type in Section 6
MIDEntry Type	MIDEntryType complex type	-	Optional	Refer to this complex type in Section 5
Related Permit Publication Data Type	Permit Publication Data Type yesNo simple type	-	Optional	Refer to this simple type in Section 6
Return Info Type	ReturnInfo Type Complex type		Optional	Refer to this complex type in Section 5

Field	Format	Acceptable Value	Business Rules	Comments
midCreateResponseType ENDS				

5.10 Complex: MidEntryType

Field	Format	Acceptable Value	Business Rules	Comments
midEntryType BEGINS				
MID	MID Type Complex Type		Optional	Refer to this complex type in Section 5
CustomerCRID	CRIDType simple type	-	Required	Refer to this simple type in Section 6
CustomerName	String		Optional	
PermitPublicationData	permitPublicationData Type complex type	-	Optional	Refer to this complex type in Section 5
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Section 6
Address1	String 64		Optional	
Address2	String 64		Optional	
City	String 50		Optional	
State	String 2		Optional	
ZipCode	Numeric String 5		Optional	
SequenceNumber	Integer		Optional	
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Section 6
LegalAcknowledgment Block	legalAcknowledgmentBlockMIDType complex type	-	Conditional; Required when ApplyingForSelf is "No"	Refer to this complex type in Section 5
midEntryType ENDS				

5.11 Complex: MidQueryResponseType

Field	Format	Acceptable Value	Business Rules	Comments
midCreateResponseType BEGINS				
MID Type	MIDType Complex type	-	Optional	Refer to this complex type in Section 5
MIDStatus Type	String simple type		Optional	Refer to this simple type in Section 6
MIDEntry Type	MIDEntryType complex type	-	Optional	Refer to this complex type in Section 5
Return Info Type	Return Info simple type		Optional	Refer to this simple type in Section 6
midCreateResponseType ENDS				

5.12 Complex: MIDType

Field	Format	Acceptable Value	Business Rules	Comments
MIDType BEGINS				
MID6	mailerID6Type simple type		Required	Refer to this simple type in Section 6
OR				
MID9	mailerID9Type simple type		Required	Refer to this simple type in Section 6
MIDType ENDS				

5.13 Complex: MidValidateResponseType

Field	Format	Acceptable Value	Business Rules	Comments
midCreateResponseType BEGINS				
MIDEntry Type	MIDEntryType complex type	-	Optional	Refer to this complex type in Section 5
MIDMatches Type	MIDMatches yesNo simple type		Required	Refer to this simple type in Section 6
Return Info Type	Return Info simple type		Optional	Refer to this simple type in Section 6
midCreateResponseType ENDS				

5.14 Complex Type: permitPublicationDataType

Field	Format	Acceptable Values	Business Rules	Comments
permitPublicationDataType BEGINS				
Choice Block BEGINS	-	-	Either PermitNumber, PermitType, PermitZip4 OR Publication Number is required	-
Sequence Block BEGINS				
Permit Number	String, 8	-	Required, when providing Permit Number and Permit Zip4 data	-
Permit Type	permitTypeType simple type	-	Required	Refer to this simple type in Section 6
Permit Zip4	Numeric String, 9	-	Required when providing Permit Number and Permit Zip 4 data	Refer to this simple type in Section 6
Sequence Block ENDS				
Publication Number	String, 8	-	Either provide Permit Number, Permit Type 4 and optional Permit Type OR this field.	-
Choice Block ENDS				

Field	Format	Acceptable Values	Business Rules	Comments
permitPublicationData Type ENDS				

5.15 Complex Type: SubmittingParty, participantIDType

Field	Format	Acceptable Values	Business Rules	Comments
MailerID6	mailID6Type simple type		Not required (attribute) Either MailerID6 or MailerID9 can be provided, not both	Refer to this simple type in Section 6
MailerID9	mailerID9Type		Not required (attribute) Either MailerID6 or MailerID9 can be provided, not both	Refer to this simple type in Section 6
CRID	CRIDType		Not required (attribute), Either CRID or MID can be provided for authorization	Refer to this simple type in Section 6
SchedulerID	String, 12		Optional	
MaildatUserLicense	userLicenseCodeType e simple type		Optional	Refer to this simple type in Section 6
ShippingAgentID	String 12	-	Optional	-
ReceivingAgentID	String 12	-	Optional	-

5.16 Complex Type: SubmittingSoftware

Field	Format	Acceptable Values	Business Rules	Comments
SoftwareName	String		Required	
Vendor	String		Required	
Version	String		Required	
ApprovalDate	Date	YYYY-MM-DD	Optional	Changed the type to 'Date' based on errata
ApprovalKey	String		Optional	

5.17 Complex Type: VerificationErrorType

Field	Format	Acceptable Value	Business Rules	Comments
Sequence Block BEGINS			Optional 0 to many allowed	
VerificationErrorCode	Numeric String 4		Required	
VerificationError Description	String 260		Optional	
Sequence Block ENDS				

6. Simple Types Data Structure

6.1 simpleType: CRIDStatusType

Tag	CRIDStatusType
Base	xs:string
enumeration	New
enumeration	Existing

6.2 simpleType: CRIDType

Tag	CRIDType
Base	xs:string
maxLength	15
minLength	1
pattern	([0-9])*

6.3 simpleType: EnrollingForSelf

Tag	EnrollingForSelf
Base	mailxml_base:yesNo

6.4 simpleType: mailerID6Type

Tag	mailerID6Type
Base	mailxml_base:ns06

6.5 simpleType: mailerID9Type

Tag	mailerID9Type
Base	mailxml_base:ns09

6.6 simpleType: MIDorCRIDRequestType

Tag	MIDorCRIDRequestType
Base	xs:string
enumeration	Create
enumeration	Query
enumeration	Validate

6.7 simpleType: mIDStatusType

Tag	mIDStatusType
Base	xs:string
enumeration	New
enumeration	Existing

6.8 simpleType: ns04

Tag	ns04
Base	xs:string
pattern	[0-9]{4}

6.9 simpleType: ns05

Tag	ns05
Base	xs:string
pattern	[0-9]{5}

6.10 simpleType: ns09

Tag	ns09
Base	xs:string
pattern	[0-9]{9}

6.11 simpleType: permitTypeType

Tag	permitTypeType
Base	xs:string
enumeration	PI
enumeration	MT
enumeration	PC
enumeration	BR
enumeration	PE
enumeration	GH
enumeration	OI
enumeration	OM
enumeration	PP
enumeration	-

6.12 simpleType: s12

Tag	s12
Base	xs:string
maxLength	12
minLength	1
whiteSpace	preserve

6.13 simpleType: s40

Tag	s40
Base	xs:string
maxLength	40
minLength	1
whiteSpace	preserve

6.14 simpleType: s50

Tag	s50
Base	xs:string
maxLength	50
minLength	1
whiteSpace	preserve

6.15 simpleType: s64

Tag	s64
Base	xs:string
maxLength	64
minLength	1
whiteSpace	preserve

6.16 simpleType: s260

Tag	s260
Base	xs:string
maxLength	260

Tag	s260
minLength	1
whiteSpace	preserve

7. WSDL Reference Information

Note: USPS no longer supports string-type WSDLs

The WSDL specification is posted on RIBBS® and can be downloaded from the following location: [Web Service Description Language \(WSDL\) Specification](#).

The above RIBBS® URL provides WSDLs for both the Test Environment for Mailers (TEM) and the production environment. Use this link to access the most current versions of WSDLs.

8. Change History Archives

These are the changes to MID-CRID-14.0A-R17 Edition 4 Change 0

Date	Section #	Title	Description
6/4/14	Various	N/A	<ul style="list-style-type: none">Updated for change in release date from July to August 2014Updated title page, footer, TOC

These are the changes to MID-CRID-14.0A-R17 Edition 2 Change 2

Date	Section #	Title	Description
2/26/14	1.9	Profiles Management Features	Modified wording to remove references to “unassociated” Full Service ACS profiles

These are the changes to MID-CRID-14.0A-R17 Edition 2 Change 1

Date	Section #	Title	Description
2/25/14	1.5	Roadmap of Mail.XML	Removed April 2013 from table
2/25/14	7	WSDL Reference Information	Renamed section to remove reference to XSD
2/25/14	N/A	-	Removed extra page break between sections

These are the changes to MID-CRID-14.0A-R17 Edition 2 Change 0

Date	Section #	Title	Description
2/18/14	3.4	Fault Codes	Replaced table 3-3 with table of updated codes
2/18/14	6	Simple Types Data Structure	Corrected alphabetization
2/18/14	Cover page, footer, Table of Contents, Index	N/A	Updated date, edition Updated Table of Contents and Index after section modifications

These are the changes to MID-CRID-14.0A-R17 Edition 1 Change 1

Date	Section #	Title	Description
1/16/14	N/A	Intro page	Corrected ACS trademark designation from ® to ™

These are the changes to MID-CRID-14.0A-R17 Edition 1 Change 1

Date	Section #	Title	Description
1/15/14	1.5	Roadmap of Mail.XML	Corrected misspelling
1/15/14	6.16	simpleType: MIDorCRIDRequestType	Fixed left alignment of heading

These are the changes to MID-CRID-14.0A-R17 Edition 1 Change 0

Date	Section #	Title	Description
1/2/14	Header, Footer	Entire Document	Updated publication date, copyright date, and edition

These are the changes to MID-CRID-14.0A-R16 Edition 3 Change 0

Date	Section #	Title	Description
11/5/13	Header, Footer	Entire Document	Updated publication date and edition

These are the changes to MID-CRID-14.0A-R16 Edition 1 Change 0

Date	Section #	Title	Description
07/16/2013	All	Entire Document	Derived from Mail.XML 14.0A MID-CRID Version 3.0
08/23/2013	6	Simple Data Type Structures	Updated simpleType: MIDorCRIDRequestType

These are the changes from Mail.XML 14.0A MID-CRID Version 2.0 to Mail.XML 14.0A MID-CRID Version 3.0

Date	Section #	Title	Description
7/3/13	5.10	MIDEntryType	Added MID element to MIDEntryType
7/3/13	5.3	CRIDEntryType	Added CRID element to CRIDEntryType
7/3/13	5.2, 5.4, 5.5	CRIDCreateResponseType, CRIDQueryResponseType, CRIDValidateResponseType	Added CRIDCreateResponseType, CRIDQueryResponseType, CRIDValidateResponseType
7/3/13	5.9, 5.11, 5.13	MIDCreateResponseType, MIDQueryResponseType, MIDValidateResponseType	Added MIDCreateResponseType, MIDQueryResponseType, MIDValidateResponseType
5/28/13	6.0 Section 6 Simple Types	MIDorCRIDRequestType	MIDorCRIDRequestType was added.
5/28/13	Header and Footer	Header and Footer	Document Version updated
5/21/13	Header and Footer	Header and Footer	Document Version updated
5/21/13	2.1.1, 2.1.2	Preconditions	Wording updated

These are the changes from Mail.XML 14.0A MID-CRID Version 1.0 to Mail.XML 14.0A MID-CRID Version 2.0

Date	Section #	Title	Description
3/20/13	1.6	Hyperlinks	Made XML and XSD URL's hyperlinks
3/20/13	1.8	Alignment	Adjusted alignment
3/20/13	1.9	Bullets	Removed extra bullet points in front of text
3/20/13	4.1,4.3	Verbiage	Updated wording of Legal Acknowledgment Block in 4.3 to the same as in 4.1 and added closing quotation mark
3/7/13	5.2	CRIDEntryType	Updated CRIDEntryType to make CompanyName and Address optional
3/1/13	All	Header and Footer	Updated Header and Footer
3/1/13	4.2	USPSMIDCreateValidateResponse	Flipped the RelatedPermitPublicationData and ReturnInfo fields.

These are the changes from Mail.XML 12.0B MID-CRID Version 7.0 to Mail.XML 14.0A MID-CRID Version 1.0

Date	Section #	Title	Description
2/20/13	4	Data Structure and Business Rules	Updated the MID_CRID messages in the section 4 to conform to those in the mailxml_id_14.0A.xsd
2/20/13	1.5	Roadmap Table	Updated roadmap table to indicate version that is scheduled to retire in April
2/20/13		Table of Contents	Removed unwanted table of contents at the end of document
2/20/13	All	Footer	Updated version date in footer
1/31/13	4.3	USPSCRIDCreateValidateResponse	Updated CRID, CRIDstatus, and CRIDEntry in USPSCRIDCreateAccept from Required to Optional
1/31/13	4.2	USPSMIDCreateValidateResponse	Updated MID, MIDstatus, and MIDEntry in USPSMIDCreateAccept from Required to Optional

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